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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/697,272

10/31/2003

Stefek Malkowski Zaba

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10/05/2004

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INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

WALSH, DANIEL I

ART UNIT	PAPER NUMBER
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2876

DATE MAILED: 10/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/697,272

Applicant(s)

ZABA ET AL.

Examiner

Daniel I Walsh

Art Unit

2876

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Receipt is acknowledged of the Amendment received on 23 July 2004.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

2. Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arrieta (EP 179 811), as cited by the Applicant, in view of Allen et al. (US 6,776,332).

Arrieta teaches a security document, through an identity card, with one or more memory circuits to be read wirelessly attached to or incorporated within the printed document wherein the memory circuit is physically isolated so as to inhibit physical tampering or to indicate when physical tampering has occurred (abstract, FIG. 1 and 2,

and paragraph [0043] +). Such documents are interpreted to be printed, as they contain printed data on them, as is conventional in the art.

Though Arrieta is silent to the memory circuit being protected from access by an unauthorized reader, the examiner notes that it is well known and conventional in the art that methods of mutual verification between a reader and a security document/card (for security) are well known in the art and usually rely on cryptographic keys, derivatives thereof, public keys, digital signatures, PINs, challenge/answer, etc. to verify the reader and the document to authorize/validate an exchange of data between the document and reader. Further, Arrieta (EP 1 179 810), as cited by the Applicant, also teaches protecting of the information from the public (paragraph 006] +). Therefore, it is well known and conventional in the art to protect access by an unauthorized reader, as a means to provide security/protect information.

Specifically, Allen et al. teaches protecting against unauthorized readers reading information off a identity card 102 (col 8, lines 49+), where a card is broadly interpreted as a printed security document since such cards are well known to be printed on, and provide security. Further, the examiner notes that contactless/contact/RF/inductive cards are well known and conventional means of providing identity cards. Therefore, as Arrieta is drawn to identity cards (among other things), motivation to combine the teachings of Arrieta with those of Allen et al. is present, as both are drawn to analogous/similar subject matter (identity cards).

At the time the invention was made, it would have been obvious to an artisan of ordinary skill in the art to combine the teachings of Arrieta with those of Allen et al.

One would have been motivated to do this in order to protect the data on the identity card from being accessed by unauthorized readers, as a means to enhance security (additionally, see US 2003/0154355 and its provisional applications 60/377,092 and US 60/351,515 which also teach protecting data from unauthorized readers to enhance security).

Re claim 2, it is well known and conventional in the art that passive security documents are powered inductively, to reduce document size/cost, and/or increase its life since a power source is not required. Further, Arrieta teaches mutual inductance of the antennas (paragraph [0028]+).

Re claim 3, Arrieta teaches wireless transmission at radio frequency (paragraph [0024]+), as is well known and conventional in the art.

Re claim 4, Arrieta teaches that the circuit employs tamper evident means (see claim 1), as the emitter device is integrated into the hologram, and attempted tampering of the emitter device (the more significant part of the document) is therefore apparent. Arrieta is silent to the specific use of tamper evident strips, but the examiner notes that the teachings of Arrieta teach tamper indicating without the use of tamper evident strips, as tampering is evident through destruction/modification of the hologram. Accordingly, the hologram is broadly interpreted as one tamper evident strip, itself. Further, see US 2004/0162828, 2004/0020086, 2003/0218328, 2003/0161017, 2002/0104240 for teachings of holograms being tamper evident.

Re claim 5, Arrieta teaches that the antenna is used for detection or resistance of physical tampering, since it is incorporated into the hologram, as discussed above.

Re claim 6, as Arrieta teaches the security document can include an identity card (see above) it is well known and conventional that the document identifies an authorized bearer of the document, as is well known and conventional in the art.

Re claim 7, Arrieta teaches the document can include an identity card, passports, etc. Accordingly, it is well known and conventional in the art for documents to be used to permit access to assets of an identified authorized bearer of the document (see Sehr US 2002/0100803, for example).

Re claims 8 and 12, the limitations have been discussed above. It is understood that documents have first information determined for printing, and second information for storing/being written into the memory circuit, as is well known and conventional in the art.

Re claims 9, 11, and 12 the limitations have been discussed above. Further, it is well known and conventional in the art that printed document information is used with stored information in a security document/card to assess the security document, such as the case with the using/comparing of the printed image/information/characteristics of the bearer of the document with those stored in the document memory/circuit/chip. Such means are well known and conventional for providing secure identification/validation means. Further, Tsuji et al. (EP 1 139 302) teaches that stored information is used with/compared with printed information to verify a document (col 3, lines 39+). Therefore, such verification means are well known and conventional in the art for providing security.

Response to Arguments

3. Applicant's arguments, filed 23 July 2004, with respect to the rejection(s) of claim(s) 1-12 have been fully considered and are persuasive. Accordingly, the Examiner has provided further support for the rejection of the claims. Further, the Examiner notes that as the prior art of Arrieta teaches security documents such as id cards, it is obvious to combine the teaching of Arrieta with those of Allen et al., as cards to access accounts are broadly interpreted to include id cards, and include chips/wireless reading means (on the reading side), as is well known and conventional in the art. The Examiner has provided relevant references teaching that holograms can be tamper evident. Finally, the Examiner notes that a security document comprising a printed document with one or more memory circuits, is broadly interpreted as an identity card/card, as is well known and conventional in the art. Accordingly, the Examiner notes that contactless RFID/smart cards are well known in the art, and that the claim language of claim 1 is not limited to only paper printed documents as shown in the Applicants' figures.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Fernandez (US 2003/0154355).

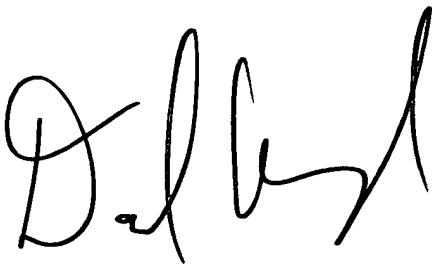
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Walsh whose telephone number is (571) 272-2409. The examiner can normally be reached between the hours of 7:30am to 4:00pm Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone numbers for this Group is (703) 308-7722, (703) 308-7724, or (703) 308-7382.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to **[daniel.walsh@uspto.gov]**.

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set for the in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.



DW
9/23/04



KARL D. FRECH
PRIMARY EXAMINER